PATENT
Attorney Docket No. 49500

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. 7,079,488

Confirmation No. 6673

Issued: July 18, 2006

Name of Patentee: Kumar et al.

Patent Title: METHOD AND APPARATUS FOR MODIFYING THE BANDWIDTH OF AN ESTABLISHED ATM CALL IN RESPONSE TO AN IDENTIFICATION OF THE CONTENTS OF THE CALL

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service on the date shown with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on October 24, 2006.

Kirk D. Williams, Esq. 10-24-2006

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR PATENT OFFICE MISTAKE (37 C.F.R. § 1.322)

Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

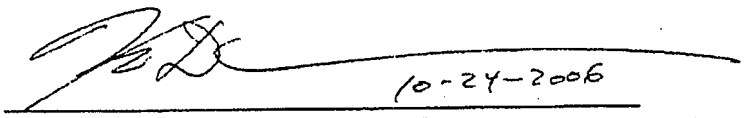
It is requested that a Certificate of Correction be issued to correct Office mistakes found the above-identified patent. Attached hereto is a Certificate of Correction which indicates the requested correction. For your convenience, also attached are copies of selected pages (a) from the issued patent with errors highlighted, and (b) from Amendment B filed October 14, 2005, with the correct text/instructions.

In re US Patent No. 7,079,488

It is believed that there is no charge for this request because applicant or applicants were not responsible for such error, as will be apparent upon a comparison of the issued patent with the application as filed or amended. However, the Assistant Commissioner is hereby authorized to charge any fee that may be required to Deposit Account No. 501430.

Respectfully submitted,
The Law Office of Kirk D. Williams

Date: October 24, 2006

By 

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UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,079,488

DATED : July 18, 2006

INVENTOR(S) : Kumar et al.

It is certified that error(s) appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 7, line 60, replace "a an ATM" with -- an ATM --

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PATENT NO. 7,079,488
No. of additional copies

⇨ NONE (0)

or substantially concurrent with other operations. Also, many different forms of data structures could be used in various embodiments. The invention as described herein contemplates all such embodiments as may come within the scope of the following claims and equivalents thereof.

What is claimed is:

1. A method performed by an integrated access device interfacing an ATM network non-compliant customer premises communications device with an ATM edge switch connected to an ATM network, the integrated access device being a standalone device separate from, and directly coupled to said communications device, the method comprising:

receiving an off-hook indication from said communications device;

in response to said receiving the off-hook indication, signaling to a call agent located in the ATM network to create to establish a call including a first traffic characteristic over the ATM network to a second customer premises communications device through a second integrated access device directly coupled to said second customer premises communications device;

receiving a telephonic signal from said communications device subsequent to said establishment of the call;

monitoring said received telephonic signal to determine that the call includes facsimile or modem traffic; and

in response to said determination that the call includes facsimile or modem traffic, requesting and causing a modification of said established call to replace the first traffic characteristic with a second traffic characteristic, said request being communicated to the second integrated access device; and

receiving a modification acknowledgement message from the second integrated access device in response to said request for modification of said established call.

2. The method of claim 1, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

3. The method of claim 2, wherein the first packet rate is a variable packet rate and the second packet rate is a fixed packet rate.

4. The method of claim 2, wherein the first packet rate is less than the second packet rate.

5. The method of claim 2, wherein the first packet rate is greater than the second packet rate.

6. The method of claim 1, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

7. The method of claim 1, wherein the first traffic characteristic allows the use of compression or silence suppression technology and the second traffic characteristic does not allow for the use of compression or silence suppression technology.

8. The method of claim 1, wherein the integrated access device sends a connection available message to the second integrated access device in response to said receipt of the modification acknowledgement message from the second integrated access device.

9. An integrated access device interfacing an ATM network non-compliant customer premises communications device with an ATM edge switch connected to an ATM network, the integrated access device being a standalone device separate from, and directly coupled to said communications device, the integrated access device comprising:

means for receiving an off-hook indication from said communications device;

means for signaling in response to said receiving the off-hook indication, to a call agent located in the ATM network to create to establish a call including a first traffic characteristic over the ATM network to an ATM network non-compliant second customer premises communications device through a second integrated access device directly coupled to said second communications device;

means for receiving a telephonic signal from the communications device subsequent to said establishment of the call;

means for detecting that the telephonic signal includes a modem signal or a facsimile signal;

means for requesting a modification of the call from the first traffic characteristic to a second traffic characteristic in response to detecting that the telephonic signal includes the modem signal or the facsimile signal, said requesting of the modification including communicating said request for modification of said established call to the second integrated access device; and

means for receiving a modification acknowledgement message from the second integrated access device in response to said request for modification of said established call.

10. The integrated access device of claim 9, wherein said means for requesting the modification of the call includes means for generating a Q.2963.x signaling message.

11. The integrated access device of claim 9, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

12. The integrated access device of claim 11, wherein the first packet rate is a variable packet rate and the second packet rate is a fixed packet rate.

13. The integrated access device of claim 11, wherein the first packet rate is less than the second packet rate.

14. The integrated access device of claim 11, wherein the first packet rate is greater than the second packet rate.

15. The integrated access device of claim 9, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

16. The integrated access device of claim 9, wherein the first traffic characteristic allows the use of compression or silence suppression technology and the second traffic characteristic does not allow for the use of compression or silence suppression technology.

17. The integrated access device of claim 9, wherein the integrated access device includes means for sending a connection available message to the second integrated access device in response to said receipt of the modification acknowledgement message from the second integrated access device.

* * * * *

From Amendment B, filed October 14, 2005

Claim 30 (currently amended): An ~~apparatus~~ integrated access device interfacing a ~~communications device with a packet network, the apparatus~~ an ATM network non-compliant customer premises communications device with an ATM edge switch connected to an ATM network, the integrated access device being a standalone device separate from, and directly coupled to said communications device, the integrated access device comprising:

means for receiving an off-hook indication from said communications device;

means for signaling in response to said receiving the off-hook indication, to a call agent located in the ATM network to create to establish a call including a first traffic characteristic over the ATM network to an ATM network non-compliant second customer premises communications device through a second integrated access device directly coupled to said second communications device;

means for receiving a telephonic signal from the communications device subsequent to said establishment of the call;

~~means for establishing a call of a first bandwidth over the packet network;~~

means for detecting that the telephonic signal includes a modem signal or a facsimile signal; ~~and~~

means for requesting a modification of the call from the first ~~bandwidth~~ traffic characteristic to a second ~~bandwidth~~ traffic characteristic in response to detecting that the telephonic signal includes the modem signal or the facsimile signal, said requesting of the modification including communicating said request for modification of said established call to the second integrated access device; and

means for receiving a modification acknowledgement message from the second integrated access device in response to said request for modification of said established call.